

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP/00229

10/502316

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D21H27/02 B31F1/07 B29C59/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D21H B31F B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 101 867 A (FORT JAMES FRANCE) 23 May 2001 (2001-05-23) abstract claim 1	1-15
Y	US 4 293 990 A (POLLOCK STEPHEN F) 13 October 1981 (1981-10-13) cited in the application the whole document	1-15
Y	US 6 173 496 B1 (GRACYALNY DALE ET AL) 16 January 2001 (2001-01-16) column 9, line 57 -column 10, line 32; figures 6A-7F	1-15
Y	FR 2 773 564 A (FORT JAMES FRANCE) 16 July 1999 (1999-07-16) page 6, line 18-20	1-15
	--- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

28 April 2003

Date of mailing of the international search report

13/05/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Naeslund, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/H/00229

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages	
A	US 3 867 225 A (NYSTRAND ERNST DANIEL) 18 February 1975 (1975-02-18) column 3, paragraph 3 ---	4,12
A	US 6 106 928 A (RUPPEL REMY ET AL) 22 August 2000 (2000-08-22) the whole document ---	1,11,15
A	US 6 235 373 B1 (GRAFF PIERRE) 22 May 2001 (2001-05-22) the whole document ---	1,11,15
A	US 3 708 366 A (DONNELLY H) 2 January 1973 (1973-01-02) the whole document -----	1,11,15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/00229

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1101867	A	23-05-2001	EP 1101867 A1	23-05-2001
			EP 1101866 A1	23-05-2001
			US 2003021954 A1	30-01-2003
			US 6461720 B1	08-10-2002
US 4293990	A	13-10-1981	US 4181068 A	01-01-1980
US 6173496	B1	16-01-2001	US 2002007749 A1	24-01-2002
			CA 2218422 A1	16-04-1998
			EP 0836928 A1	22-04-1998
FR 2773564	A	16-07-1999	FR 2773564 A1	16-07-1999
			EP 1047546 A1	02-11-2000
			WO 9936253 A1	22-07-1999
			TR 200002028 T2	21-12-2000
			US 6524683 B1	25-02-2003
US 3867225	A	18-02-1975	NONE	
US 6106928	A	22-08-2000	FR 2728152 A1	21-06-1996
			AT 188266 T	15-01-2000
			CA 2202166 A1	20-06-1996
			DE 69514253 D1	03-02-2000
			DE 69514253 T2	08-06-2000
			DK 797705 T3	08-05-2000
			EP 0797705 A1	01-10-1997
			ES 2141977 T3	01-04-2000
			WO 9618771 A1	20-06-1996
			GR 3032544 T3	31-05-2000
			NO 972763 A	16-06-1997
			PT 797705 T	28-04-2000
US 6235373	B1	22-05-2001	FR 2774707 A1	13-08-1999
			EP 0935021 A1	11-08-1999
			NO 990549 A	09-08-1999
			TR 9900240 A2	21-10-1999
US 3708366	A	02-01-1973	NONE	